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American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 **For Week Ended** *OCTOBER* 22, 1982 **NO.** 42

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 10/22/82	Last Week Ending: 10/15/82	Last Year Week Ending: 10/23/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units *	11,889	12,245	12,495	- 356	- 606
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	71.3	73.5	68.5		
Motor Gasoline					
Motor gasoline production	6,207	6,300	6,293	- 93	- 86
Refinery shipments of unleaded motor gasoline	3,550	3,312	3,388	+ 238	+ 162
Total Motor gasoline stocks	232,430	234,905	237,441	- 2,475	- 5,011
Finished unleaded motor gasoline stock	96,344	97,228	92,599	- 884	+ 3,745
Distillate Fuel Oil					
Distillate fuel oil production	2,890	2,840	2,483	+ 50	+ 407
Distillate fuel oil stocks	168,862	168,722	204,888	+ 140	- 36,026
Residual Fuel Oil					
Residual fuel oil production	1,046	994	1,211	+ 52	- 165
Residual fuel oil stocks	60,706	59,917	78,401	+ 789	- 17,695
Imports					
Crude oil imports	3,758	3,203	3,296	+ 555	+ 462
Product imports	1,260	1,084	1,023	+ 176	+ 237
Crude Oil Stocks					
Crude oil stocks	351,321	340,190	363,941	+ 11,131	- 12,620

* *SCHEDULED AND UNSCHEDULED SHUTDOWNS FOR REPAIRS CAUSED A DECREASE OF* 196,000 *BBL. PER DAY IN THE IND., ILL., KY. DISTRICT AND A* 121,000 *BBL. PER DAY IN THE TEXAS GULF COAST DISTRICT.*

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

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STATISTICS DEPARTMENT
VOL. 63 For Week Ended *OCTOBER* 22, 1982 **NO.** 42

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,085	1,007	918	1,033	1,569	65.8
Appal. No. 1	51	51	--	51	98	52.0
DISTRICT 1 TOTAL	1,136	1,058	918	1,084	1,667	65.0
Appal. No. 2	58	58	3	58	66	87.9
Ind., Ill., Ky.	1,745●	1,549●	394●	1,589	2,399	66.2
Minn., Wis., Daks.	290	273	130	284	293	96.9
Okla., Kans., Mo.	802	737	41	750	858	87.4
DISTRICT 2 TOTAL	2,895●	2,617●	568●	2,681	3,616	74.1
Inland Texas	448	442	14	474	592	80.1
Texas Gulf Coast	3,293	2,920	890	2,944	3,993	73.7
La. Gulf Coast	2,252	1,992	719	2,128	2,728	78.0
N. La. and Ark.	179	167	10	170	314	54.1
New Mexico	105	69	--	72	117	61.5
DISTRICT 3 TOTAL	6,277	5,590	1,633	5,788	7,744	74.7
DISTRICT 4 TOTAL	459	426	46	433	553	78.3
DISTRICT 5 TOTAL	2,061	1,846	195	1,903	3,083	61.7
TOTAL U.S.	12,828	11,537	3,360	11,889	16,663	71.3
TOTAL U.S. Weeks Ended:						
OCT. 15, 1982	13,089●	11,840●	3,506●	12,245	16,663	73.5
OCT. 23, 1981	12,999	12,196	4,086	12,495	18,230	68.5
DISTRICTS 1—4 Weeks Ended:						
OCT. 22, 1982	10,767	9,691	3,165	9,986	13,580	73.5
OCT. 15, 1982	11,023●	9,961●	3,337●	10,332	13,580	76.1
OCT. 23, 1981	10,742	10,063	3,809	10,322	15,068	68.5

[1] Included in the Crude Oil Runs to Distillation Units.

● *SEE REVISIONS ON PAGE 7.*

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 22, 1982

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	581	399	11	22	5	308	100
Appal. No. 1	13	4	1	2	--	15	--
DISTRICT 1 TOTAL	594	403	12	24	5	323	100
Appal. No. 2	39	18	--	4	--	14	2
Ind., Ill., Ky.	937	567	15	116	14	362	45
Minn., Wis., Daks.	160	64	6	8	2	75	10
Okla., Kans., Mo.	449	181	9	25	9	226	15
DISTRICT 2 TOTAL	1,585	830	30	153	25	677	72
Inland Texas	263	152	19	20	1	112	25
Texas Gulf Coast	1,490	962	30	203	25	840	249
La. Gulf Coast	1,042	561	9	216	45	429	218
N. La. and Ark.	48	12	8	1	--	47	19
New Mexico	58	22	10	2	5	37	5
DISTRICT 3 TOTAL	2,901	1,709	76	442	76	1,465	516
DISTRICT 4 TOTAL	223	78	18	21	--	114	8
DISTRICT 5 TOTAL	904	530	43	209	2	311	350
TOTAL U.S.	6,207	3,550	179	849	108	2,890	1,046
TOTAL U.S. Weeks Ended:							
OCT. 15, 1982	6,300	3,312	198	752	115	2,840	994
OCT. 23, 1981	6,293	3,388	223	668	105	2,483	1,211
DISTRICTS 1—4 Weeks Ended:							
OCT. 22, 1982	5,303	3,020	136	640	106	2,579	696
OCT. 15, 1982	5,327	2,800	152	567	112	2,527	691
OCT. 23, 1981	5,364	2,865	166	479	97	2,156	814

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 22, 1982

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,058	2,576	109	831	1,007	15,176	3,086	--
Central Atlantic	29,377	13,363	228	3,985	1,954	42,896	20,661	15,124
Lower Atlantic	26,883	14,812	102	3,955	1,512	15,425	5,778	552
East Coast	57,356	28,584	402	8,482	4,161	70,238	29,284	14,547
Appal. No. 1	3,962	2,167	37	289	312	3,259	241	1,129
DISTRICT 1 TOTAL	61,318	30,751	439	8,771	4,473	73,497	29,525	15,676
Appal. No. 2	3,430	1,614	5	205	339	2,364	284	158
Ind., Ill., Ky.	38,743●	16,244	375	4,863	2,249	23,663●	3,177	14,426
Minn., Wis., Daks.	7,190	2,980	170	464	126	6,654	421	512
Okla., Kans., Mo.	20,215●	8,224	673	2,182	636	13,592	1,134	5,933
DISTRICT 2 TOTAL	69,578●	29,062	1,223	7,714	3,350	46,273●	5,016	21,029
Inland Texas	8,139	2,914	536	1,006	105	3,248	312	2,842
Texas Gulf Coast	29,560	9,908	1,075	4,783	1,426	16,214	8,103	29,345
La. Gulf Coast	19,152	6,337	590	3,603	742	9,872	7,139	16,177
N. La. and Ark.	9,950	5,341	411	1,569	435	6,392	508	1,120
New Mexico	763	252	424	123	24	426	77	385
DISTRICT 3 TOTAL	67,564	24,752	3,036	11,084	2,732	36,152	16,139	49,869
DISTRICT 4 TOTAL	5,986	1,630	276	759	48	3,220	509	2,965
DISTRICT 5 TOTAL	27,982	10,149	1,321	5,812	328	9,720	9,517	24,857
TOTAL U.S.	232,430	96,344*	6,295	34,140	10,931	168,862	60,706	114,396
TOTAL U.S. Weeks Ended:								
OCT. 15, 1982	234,905●	97,228	5,983	33,377	11,149	168,722●	59,917	116,063
OCT. 23, 1981	237,441	92,599	6,246	35,462	12,623	204,888	78,401	118,201
DISTRICTS 1—4 Weeks Ended:								
OCT. 22, 1982	204,448	86,195	4,974	28,328	10,603	159,142	51,189	89,539
OCT. 15, 1982	206,480●	86,739	4,664	27,836	10,789	158,892●	50,589	91,058
OCT. 23, 1981	208,054	82,121	4,979	29,717	12,314	192,745	67,122	90,110

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

● *SEE REVISIONS ON PAGE 7.*

**INCLUDES* 22,766 *BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 2,804 *DIST.* 2: 5,870 *DIST.* 3: 9,543 *DIST.* 4: 560 *DIST.* 5: 3,989

API WEEKLY STATISTICAL BULLETIN
Week Ended *OCTOBER* 22, 1982

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JUNE* 1982	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	---Daily Average---				
DISTRICTS 1—4 TOTAL					
OCT. 22, 1982	5,882.5	5,864.0	3,594	129	254,779
OCT. 15, 1982	5,882.5	--	3,058	134	249,181
OCT. 8, 1982	5,882.5	--	3,307	161	251,023
OCT. 1, 1982	5,881.5	--	3,461	183	255,987
DISTRICT 5 TOTAL					
OCT. 22, 1982	2,797.9	2,768.0	164	--	96,542 *
OCT. 15, 1982	2,797.9	--	145	28	91,009
OCT. 8, 1982	2,797.9	--	292	16	97,330
OCT. 1, 1982	2,802.8	--	37	--	94,278
TOTAL U.S.					
OCT. 22, 1982	8,680.4	8,632.0	3,758	129	351,321 *
OCT. 15, 1982	8,680.4	--	3,203	162	340,190
OCT. 8, 1982	8,680.4	--	3,599	177	348,353
OCT. 1, 1982	8,684.3	--	3,498	183	350,265
OCT. 23, 1981	8,546.5/A	--	3,296	138	363,941

**INCLUDES* 38,885 *BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.*

/A DOE ACTUAL FOR OCTOBER 1981.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *OCTOBER* 22, 1982 Domestic	Foreign	Total	Week Ended *OCTOBER* 23, 1981. Domestic	Foreign	Total
PAD District 1	4,009	15,368	19,377	4,999	15,525	20,524
PAD District 2	57,180	11,821	69,001	65,111	11,415	76,526
PAD District 3	113,933	40,677	154,610	124,218	44,549	168,767
PAD District 4	10,443	1,348	11,791	16,471	707	17,178
TOTAL PAD DISTRICTS 1—4	185,565	69,214	254,779	210,799	72,196	282,995
PAD District 5	92,157	4,385	96,542 *	73,984	6,962	80,946
TOTAL U.S.	277,722	73,599	351,321 *	284,783	79,158	363,941

[1] See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[2]	Total
New England	--	--	--	--	--	112	--	43	--	--	--	--	--	--	155
Central Atlantic	115	56	13	7	10	--	--	584	4	--	--	--	2	38	773
Lower Atlantic	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DISTRICT 1 TOTAL[2]															
OCT. 22, 1982	115	56	13	7	10	112	--	627	4	--	--	--	2	38	928
OCT. 15, 1982	94	44	--	--	4	66	--	354	4	--	31	--	--	114	667
OCT. 8, 1982	134	46	--	--	5	68	--	478	10	--	--	--	6	36	737
OCT. 1, 1982	124	46	4	9	5	66	--	741	22	--	--	--	2	87	1,060
DISTRICTS 2—4 TOTAL															
OCT. 22, 1982	11	2	--	--	--	3	--	64	124	--	1	3	--	38	244
OCT. 15, 1982	15	2	--	--	--	6	--	50	107	--	16	--	--	70	264
OCT. 8, 1982	16	3	--	--	--	6	--	83	154	--	4	6	--	27	296
OCT. 1, 1982	15	3	--	--	--	6	--	123	145	--	8	2	--	32	331
DISTRICT 5 TOTAL															
OCT. 22, 1982	41	13	3	7	--	9	--	15	12	--	--	1	--	--	88
OCT. 15, 1982	91	14	--	--	--	6	--	25	14	--	--	1	--	16	153
OCT. 8, 1982	38	13	--	--	--	4	--	25	13	--	--	1	--	83	164
OCT. 1, 1982	43	13	2	2	--	6	--	25	13	--	2	1	--	16	110
TOTAL U.S.	167	71	16	14	10	124	--	706	140	--	1	4	2	76	1,260
TOTAL U.S. Weeks Ended:															
OCT. 15, 1982	200	60	--	--	4	78	--	429	125	--	47	1	--	200	1,084
OCT. 8, 1982	188	62	--	--	5	78	--	586	177	--	4	7	6	146	1,197
OCT. 1, 1982	182	62	6	11	5	78	--	889	180	--	10	3	2	135	1,501
OCT. 23, 1981	118	41	10	4	--	102	--	586	164	--	8	13	--	18	1,023

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

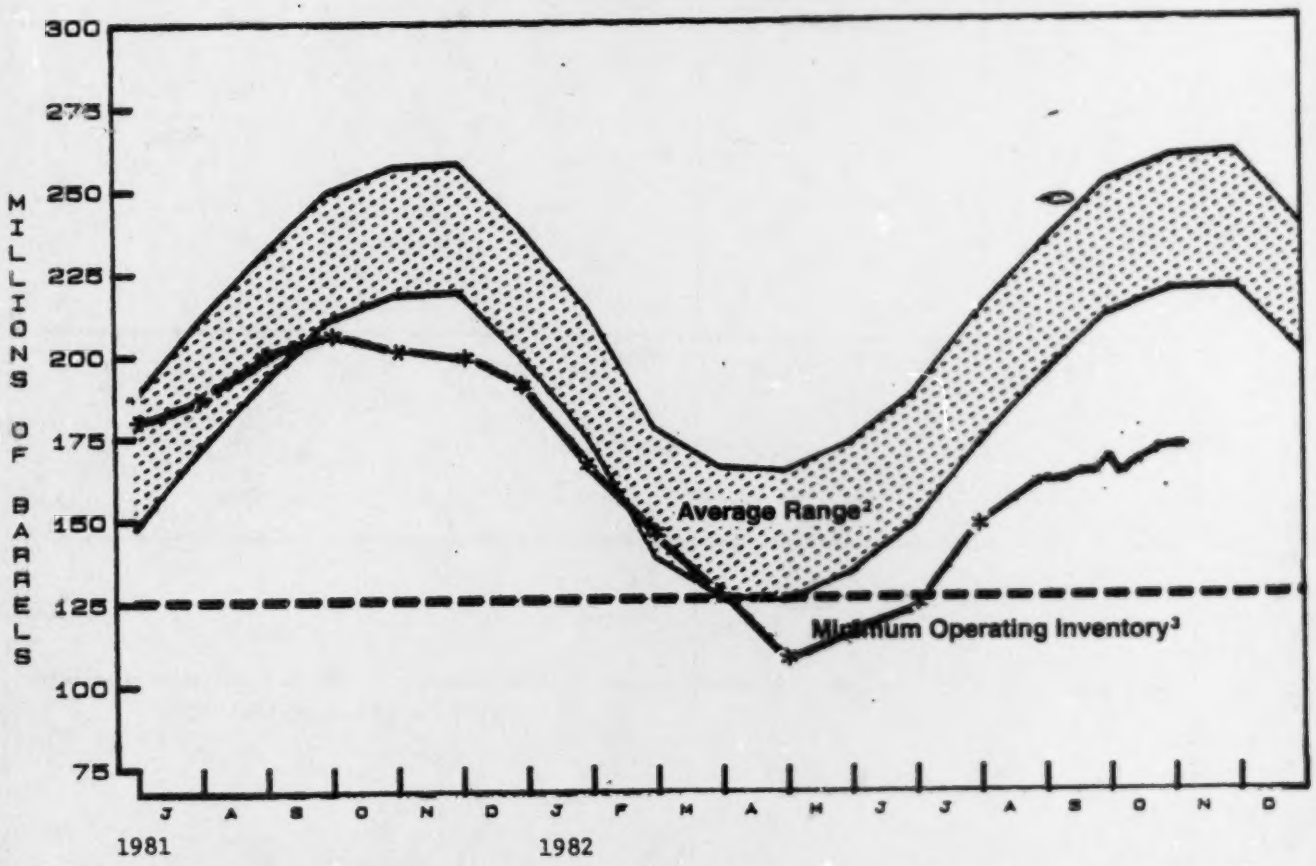
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

10/15/82	PAGE 1	TOTAL REFINERY INPUT	IND., ILL., KY.	1,833
			DISTRICT 2 TOTAL	2,918
			TOTAL U.S.	13,089
			DISTRICTS 1-4	11,023
		CRUDE OIL RUNS	IND., ILL., KY.	1,726
			DISTRICT 2 TOTAL	2,724
			TOTAL U.S.	11,840
			DISTRICTS 1-4	9,961
		FOREIGN CRUDE RUNS	IND., ILL., KY.	419
			DISTRICT 2 TOTAL	553
			TOTAL U.S.	3,506
			DISTRICTS 1-4	3,337
	PAGE 3	TOTAL MGAS	IND., ILL., KY.	39,688
			OKLA., KANS., MO.	20,175
			DISTRICT 2 TOTAL	70,434
			TOTAL U.S.	234,905
			DISTRICTS 1-4	206,480
		DISTILLATE FUEL	IND., ILL., KY.	24,003
			DISTRICT 2 TOTAL	46,267
			TOTAL U.S.	168,722
			DISTRICTS 1-4	158,892

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

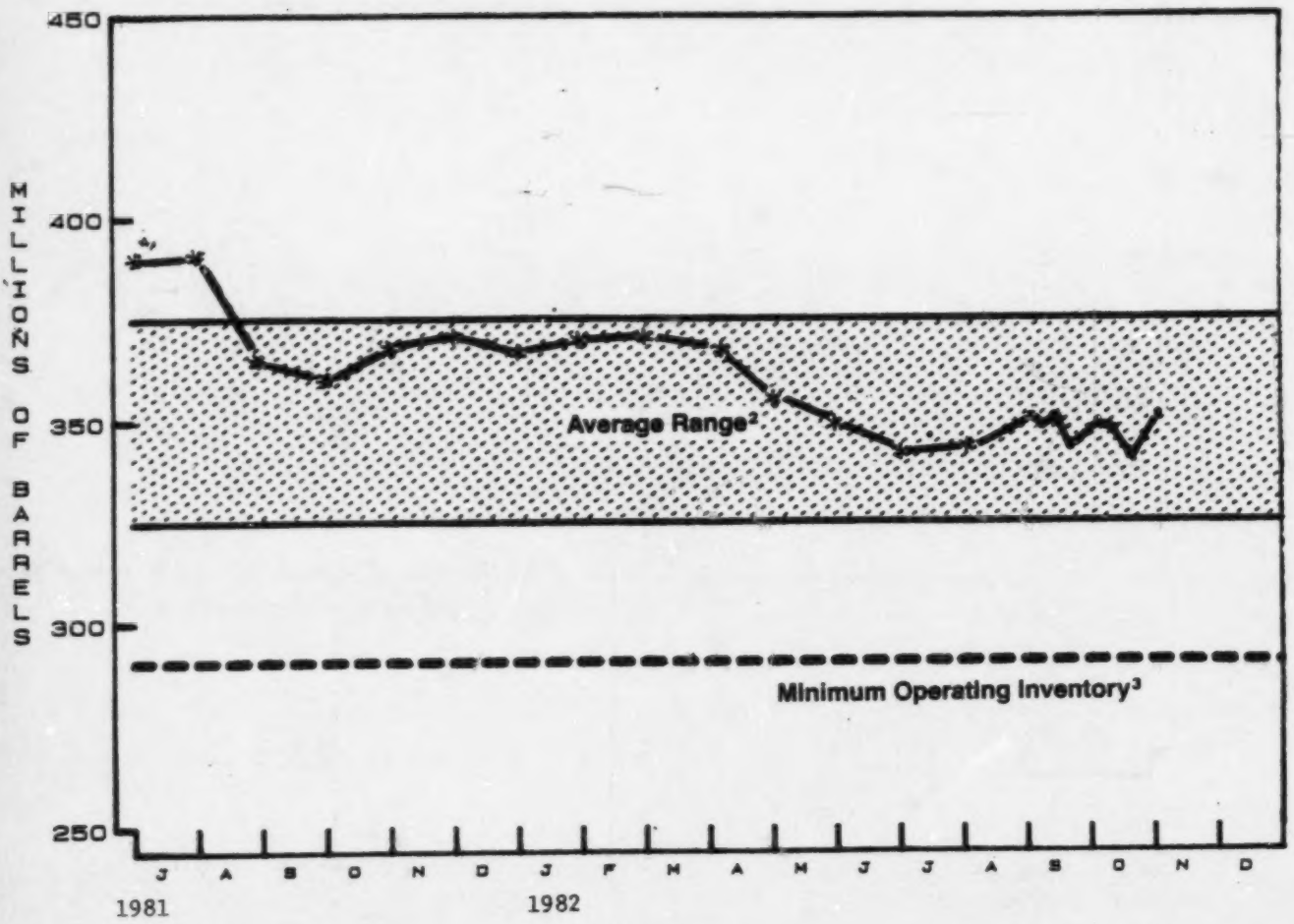
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

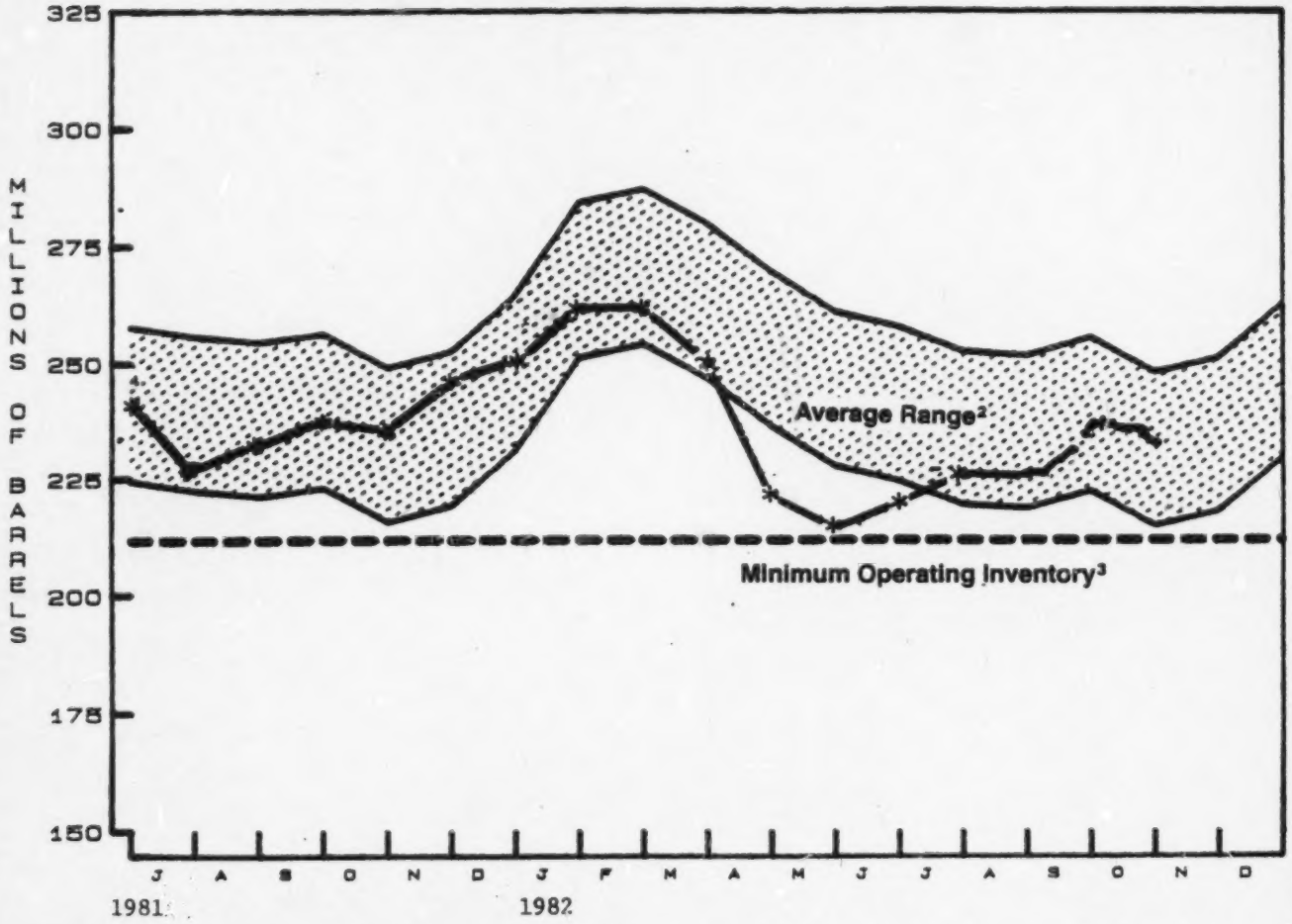
[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1978-June 1981. The seasonal pattern is based on seven years of monthly data: January 1973-December 1979.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
*-- EIA, Preliminary Data, "Monthly Petroleum Statistics Report."
●— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.